### MIT/IL Program Change Routing Slip

**PCR/PCN #** 285  
**ANOMALY #**

<table>
<thead>
<tr>
<th>COLOSSUS 2C</th>
<th>LUMINARY 1B</th>
<th>COLOSSUS 2D</th>
<th>LUMINARY 1C</th>
<th>COLOSSUS 3</th>
<th>LUMINARY 1D</th>
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- [ ] MIT Approved PCN  
- [x] NASA Approved PCR  
- [ ] NASA Approved Software Anomaly  
- [ ] MIT Approved Software Anomaly

**A. Coding**

- Begin coding immediately  

**Program Supervisor's Approval:**

- [ ] Do not code until new GSOP material has been approved by the MIT Mission Design Review Board (MDRB) and distributed.

**B. GSOP Preparation**

- [x] Prepare GSOP revisions for MDRB consideration  

**ACTION:**

**F. Decain**  
**J. Klawnik**

- [ ] Technical Committee Meeting not required.

- [ ] Technical Committee Meeting(s) held on Attendees:

**C. KSC Testing and Checkout**

- [ ] Review for possible impact on KSC testing and checkout  

**ACTION:**

**D. Other Programs Affected**

- [ ] Review for corresponding changes in

**ACTION:**

**Special Instructions**

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**Project Manager:**

**Date:** 10/15/XX

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**(Rev 8/69)**
1.5 REASON(S) FOR CHANGE

(1) To permit manual throttle in P63/64; specifically to add capability for manual pulse down to save AV, and (2) the throttle discrete is a single-point failure capable of terminating all LGC descent guidance.

1.6 DESCRIPTION OF CHANGE

Remove P67 and all descent program checks of the auto-throttle discrete. Even in the event of auto-throttle failure the crew would use P63, 64, or 66 with manual throttle control.